

## Recombinant Mouse Rock1 protein, His-tagged

Cat. No. Rock1-15M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Rock1(Leu1094~Gly1323) fused with His tag at N-terminal was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Leu1094~Gly1323
<b>Description</b>	Rock1 played an important role in many functions.
<b>Form</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300
<b>Molecular Mass</b>	29.9kDa
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	> 95%
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

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**Storage** Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Reconstitution** Reconstitute in PBS or others.

## GENE INFORMATION

**Gene Name** [Rock1 Rho-associated coiled-coil containing protein kinase 1 \[ Mus musculus \]](#)

**Official Symbol** [Rock1](#)

**Synonyms** ROCK1; Rho-associated coiled-coil containing protein kinase 1; rho-associated protein kinase 1; p160ROCK; p160 ROCK-1; Rho-associated coiled-coil forming kinase 1; rho-associated, coiled-coil-containing protein kinase 1; rho-associated, coiled-coil-containing protein kinase I; Rock-I; 1110055K06Rik;

**Gene ID** [19877](#)

**mRNA Refseq** [NM\\_009071](#)

**Protein Refseq** [NP\\_033097](#)

**UniProt ID** [P70335](#)

**Chromosome Location** 18; 18 A1

**Pathway** Apoptosis, organism-specific biosystem; Apoptotic cleavage of cellular proteins, organism-specific biosystem; Apoptotic executionphase, organism-specific biosystem; Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; Chemokine signaling pathway,

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organism-specific biosystem;

**Function**

ATP binding; GTP-Rho binding; kinase activity; metal ion binding; nucleotide binding; phospholipid binding; protein kinase activity; protein serine/threonine kinase activity; transferase activity; transferase activity, transferring phosphorus-containing groups;

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